

In the Specification:

Please amend the Specification as follows.

Please insert the following replacement section for the section at page 5, lines 6-19.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a graphical representation of infrared radiation absorption by a gas versus the path length over which that absorption is measured.

FIG. 2 is a perspective view of a gas detector.

FIG. 3 is a ~~cutaway~~ cross sectional view taken along line A-A of FIG. 2

FIG. 4 is a schematic representative of infrared radiation flow taken in a direction transverse to the optical path in the gas detector of FIG. 2.

FIG. 5 is a ~~perspective~~ side view of a gas detector according to another embodiment.

FIG. 6 is a perspective view of a gas detector according to another embodiment.

FIG. 7 is a cross sectional view of the gas detector of FIG. 6 taken along line B-B

FIG. 8 is a cross sectional view of a gas detector according to another embodiment attached to a pipe.

Other features and advantages will be apparent from the following description of the preferred embodiments and from the claims.